

ABSTRACT

A method is provided for casting a film of syndiotactic propylene polymer (sPP) at a film line speed of from about 35 to about 200 feet per minute. The sPP provided may include a peak melt temperature of from about 120 to about 140 degrees Celsius. A processing aid may be added to the sPP prior to casting the sPP film. The casting temperature of the method provided may be maintained at less than about 430 degrees Fahrenheit. The method provided includes a cast roll that forms the sPP film and that may be maintained at a temperature of from about 50 to about 130 degrees Fahrenheit. The coefficient of friction of the sPP film provided may be less than about 1.0. The maximum tensile strength of the sPP film provided may be at least about 4,200 pounds per square inch.